

**Schena, Cristeen**

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**From:** Frank Cavaleri <fcavaleri@woodardcurran.com>  
**Sent:** Saturday, March 03, 2018 9:46 PM  
**To:** Aram Varjabedian; david.burns (david.burns@state.ma.us); Turin, David; jonathanhobill@state.ma.us  
**Cc:** jstruzziery@town.hull.ma.us; Robert Scott; Lemnios, Philip (plemnios@town.hull.ma.us); Bill Boornazian; Kate Roosa  
**Subject:** FW: Hull Plant update - MA0101231

All,

This is an update to the severe storm conditions in Hull and treatment plant operations:

Following the first high tide Friday morning, we have had two additional high tides, both with more powerful winds, rain and coastal flooding. We filled our two empty aeration tanks after the flows increased on Friday afternoon, and the secondary treatment process has been in pass through mode, with aeration and the return sludge pumps shut off. We have been able to maintain primary treatment and disinfection throughout, with estimated flows over 10 MGD early Saturday morning. A brief power outage/blip occurred around 3:30 PM on Friday, so we have been running on generator power since then, to avoid further utility power outages. The Town lost full utility power around 7 PM, and they hope to have it restored on 3/4/2018. The plant generator has been running well. We set up 3 portable pumps to aid our effluent pumping capacity, with all discharging to the chlorine contact tank (CCT). We have utilizing the newly replaced influent gate to throttle influent flows while monitoring the interceptor levels.

Between power outages and issues with our Verizon communications, we have lost SCADA access to our pump stations. We have increased our pump station manual checks in the meantime, as we work with Verizon to address the communication issues.

When flows exceeded about 8 to 10 MGD at high tide periods, our CCT has had minor to moderate overflows, during both the Friday Midnight high tide and the Saturday mid-day high tide. We will provide additional details and flow estimates when we submit our SSO report.

Currently (9:30 PM 3/3/2018) we are maintaining around 5-7 MGD. We are preparing for the next high tide this Saturday evening, although anticipate less severe flooding.

We have been staffing the plant 24 hrs with various levels of plant and support staff.

More to come - thx – frank

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**From:** Aram Varjabedian

**Sent:** Friday, March 2, 2018 2:23 PM

**To:** david.burns ([david.burns@state.ma.us](mailto:david.burns@state.ma.us)) <[david.burns@state.ma.us](mailto:david.burns@state.ma.us)>; Turin, David ([Turin.David@epa.gov](mailto:Turin.David@epa.gov)) <[Turin.David@epa.gov](mailto:Turin.David@epa.gov)>; [jonathanhobill@state.ma.us](mailto:jonathanhobill@state.ma.us)

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**Subject:** Hull Plant update - MA0101231

Good afternoon:

I am providing an update of the Hull facility's status. So far, no power loss issues. We have had the first high tide period, and influent flows have risen to approximately 8 MG. A number of the pump stations have high wet well alarms, due to the rain and tidal surge. The rain is continuing, and there are two additional high tides forecasted over the next 24 hrs.

All plant equipment is operating adequately at the present time, however, we may need to throttle the influent isolation gate as flows continue to rise and pumping capability is almost already maximized. The secondary aeration system is still on, but the aeration air is being shut down, to retain biomass, and due to the off line aeration tanks being full

In the event that some flow will need to be diverted, We wanted to inform you now, and will make all attempts to process through the facility.

Should you need to reach me, please contact me at the plant or by cell phone.

Sincerely,

Aram

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